

## SCREW PRESS FOR PRESSING FIBROUS MATERIAL

### ABSTRACT

A screw press (1) for pressing fibrous material, in particular sugar beet  
5 pulp, comprising: at least one pair of helical elements (30) which are  
disposed mutually parallel and side by side and comprise at least one  
helix (32, 33) disposed about a rotary shaft which extends along a  
predetermined axial direction; a perforated walled filtering cage (5)  
supported by equidistant hoops (13, 14) and enclosing said helical  
10 elements (30) as an exact fit; a loading hopper (8); a discharge opening  
(9) for the exit of the pressed material; a collection sump (10) positioned  
externally to said filtering cage (4); in which said filtering cage (5) presents  
a modular structure having a distance between the axes of each module  
(M) which is constant and is a sub-multiple of, or equal to, the dimension  
15 of the loading hopper (8) measured along said predetermined axial  
direction, said loading hopper (8) being shiftable by its replacing one or  
more modules (M) of the filtering cage (5).